30mm Naval Weapons Station

Naval surface gun with electro-optical fire control system offers latest generation firepower

The 30mm Naval Surface Gun (NSG) is a configurable naval weapons station, adding effective firepower to a wide variety of naval platforms including fast patrol, frigates and missile boats. As the latest-generation naval armament system developed by Elbit Systems, the 30mm NSG is integrated with an in-house electro optical fire control system (EOFCS) that is comprised of a highly stabilized Electro Optical Director (EOD) mounted on the main mast and the Fire Control System (FCS). The 30mm NSG with EOFCS encompasses advanced electro-optics, providing the high firing accuracy required to deliver reliable, high-performance naval firepower.

Elbit Systems™ Land

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High-performance firepower: The Naval Weapons Station is designed for firing on high-rate moving and stationary targets. Part of a comprehensive FCS for naval applications, the advanced, precisely stabilized EOFCS provides effective day, night and all-weather operations. In addition, the independently stabilized EOD sight enables full enslavement capabilities. The gun is capable of firing a full range of NATO standard ammunition including high-explosive (HE), tracer, practice and others.

Stabilization	LOS stabilization < 0.2 mrad 1σ
Thermal Camera	FOV: 2° Narrow ; 8° Wide Recognition (NFOV): 4500m
Day Camera	Color CCD FOV: 1.6° to 42°, Recognition (NFOV): 3500m
Laser Rangefinder	Fully eye Safe 1.54 µm Range: 75-10000m
Operation Range	360 Traverse including inhibit firing -20 to +60 Elevation
Movement Velocity	1 rad/sec TRV & ELV

Operational Benefits

- Effective fire power for naval platforms
- Enhanced hit probability for single and burst firing mode
- High stabilization performance even under rough sea conditions
- Full enslavement capabilities to the decoupled Electro-Optical Director (EOD)
- Day and night video auto tracker for improved moving target engagement
- Manual back-up of operation including firing

Key Features

- A broad range of advanced electro-optics
- Maximum Effective Range (MER) of the gun and ammunition ≥ 3km
- Rate of Fire (ROF) ≥ 200 rounds per min
- Large movement arc:
  - Traverse: ≥ +150° (optional 360xN using a slip ring)
  - Elevation: -15° to +60°
- High traverse and elevation speed > 60°/sec in both axis
- Cost-effective maintenance
- Fully compatible for marine environment

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